

169293

Welcome to MESSENGER (APS Text) at USPTO

The USPTO production files are current through:
27 FEB 1996 for U.S. Patent Text Data.
27 FEB 1996 for U.S. Current Classification data.
27 FEB 1996 for U.S. Patent Image Data.

* PLEASE USE 305-9000 FOR NEW TELEPHONE NUMBER *

DISCLAIMER:

Neither the United States Government, nor any agency thereof, nor any of their contractors, subcontractors or employees make any warranty, expressed or implied, including any warranty of marketability of fitness for a particular purpose; nor assumes any legal liability or responsibility for any party's use, or the results of such, of the data.

Help Desk --> 703-305-9000

The Help Desk is staffed for APS support 7 days/week.
Monday through Friday: 6:30am - 9:00pm
Saturday, Sunday, Holidays: 8:30am - 5:00 pm

The Help Desk staff at this number will handle all APS related questions.

>>>>>>>>>> NEW SUNDAY HOURS !!! <<<<<<<<<<

The APS is available:

6:30am - 9:00pm Monday through Friday
7:30am - 5:00pm Saturday, Sunday, Holidays

APS is unavailable Thanksgiving Day, Christmas Day, and New Year's Day.

FILE 'USPAT' ENTERED AT 10:07:25 ON 04 MAR 96

W E L C O M E T O T H E
U . S . P A T E N T T E X T F I L E

=> s dmdp

L1 18 DMDP

=> s l1 and macrophage?

3614 MACROPHAGE?

L2 0 L1 AND MACROPHAGE?

=> s immune(w) response?

18285 IMMUNE
447227 RESPONSE?

L3 3962 IMMUNE (W) RESPONSE?
=> s 13 and macrophage?
3614 MACROPHAGE?
L4 1085 L3 AND MACROPHAGE?
=> s 14 and inactivate?
16969 INACTIVATE?
L5 404 L4 AND INACTIVATE?
=> s 15 and dmdp
18 DMDP
L6 0 L5 AND DMDP
=> s 15 and dichloromethylene (w) diphosphonate
218 DICHLOROMETHYLENE
850 DIPHOSPHONATE
11 DICHLOROMETHYLENE (W) DIPHOSPHONATE
L7 0 L5 AND DICHLOROMETHYLENE (W) DIPHOSPHONATE
=> s macrophage? and dichloromethylene (w) diphosphonate
3614 MACROPHAGE?
218 DICHLOROMETHYLENE
850 DIPHOSPHONATE
11 DICHLOROMETHYLENE (W) DIPHOSPHONATE
L8 2 MACROPHAGE? AND DICHLOROMETHYLENE (W) DIPHOSPHONATE
=> d 18 1-2 cit,ab

1. 5,360,797, Nov. 1, 1994, Bisphosphonic acid derivatives useful as anti-arthritis agents; Roy A. Johnson, et al., 514/111, 102, 103, 104, 107, 110 [IMAGE AVAILABLE]

US PAT NO: 5,360,797 [IMAGE AVAILABLE]

L8: 1 of 2

ABSTRACT:

Novel acids, esters, and salts of phenyl, naphthyl, quinoxaliny1, and biphenyl bisphosphonic acids and 1,2-oxaphosphepins are described. These compounds are useful as antiinflammatory and anti-arthritis agents. Also described are known compounds of the phenyl, naphthyl, quinoxaliny1, and biphenyl bisphosphonate classes which are also useful as antiinflammatory and anti-arthritis agents. Representative compounds include [1,2-phenyldiyl]bis(methylene)bisphosphonic acid tetramethyl ester, [2,3-quinoxalindiyl]bis(methylene)bisphosphonic acid tetramethyl ester, [[3-(propyl)-4-(methoxy)-1,8-naphthalenediyl]bis(methylene)]bisphosphonic acid tetramethyl ester, [2,6-naphthalenediyl]bis(methylene)bisphosphonic acid tetraethyl ester, and [2,2'-biphenylenebis(methyl)]bisphosphonic acid tetramethyl ester. Representative oxaphosphepins include the preferred 3,4-dihydro-3-methoxy-7-(phenylmethoxy)-1H-naphth[1,8de] [1,2]oxaphosphepin-3-oxide.

2. 5,298,498, Mar. 29, 1994, Phosphonic acid derivatives useful as anti-inflammatory agents; Roy A. Johnson, et al., 514/111; 558/82 [IMAGE AVAILABLE]

US PAT NO: 5,298,498 [IMAGE AVAILABLE]

L8: 2 of 2

ABSTRACT:

Novel acids, esters, and salts of phenyl, naphthyl, quinoxaliny1, and biphenyl bisphosphonic acids and 1,2-oxaphosphepins are described. These compounds are useful as antiinflammatory and anti-arthritis agents. Also described are known compounds of the phenyl, naphthyl, quinoxaliny1, and biphenyl bisphosphonate classes which are also useful as antiinflammatory and anti-arthritis agents. Representative compounds include

[1,2-phenyldiyl]bis (methylene)bisphosphonic acid tetramethyl ester,
[2,3-quinoxalindiyl]bis(methylene)bisphosphonic acid tetramethyl ester,
[[3-(propyl)-4-(methoxy)-1,8-naphthalenediyl]bis(methylene)]bisphosphonic
acid tetramethyl ester, [2,6-naphthalenediylbis(methylene) bisphosphonic
acid tetraethyl ester, and [2,2'-biphenylenebis(methyl)]bisphosphonic
acid tetramethyl ester. Representative oxaphosphhepins include the
preferred 3,4-dihydro-3-methoxy-7-(phenylmethoxy)-1H-
naphth[1,8de][1,2]oxaphosphhepin-3-oxide.

=> e chen, ben/in

E1	1	CHEN, BEAN T/IN
E2	1	CHEN, BEI H/IN
E3	3	--> CHEN, BEN/IN
E4	2	CHEN, BEN W/IN
E5	1	CHEN, BENJAMIN/IN
E6	3	CHEN, BENJAMIN S/IN
E7	2	CHEN, BENJAMIN T/IN
E8	1	CHEN, BENJAMIN Y H/IN
E9	1	CHEN, BERTHA L/IN
E10	1	CHEN, BI XIAN/IN
E11	2	CHEN, BIAO/IN
E12	1	CHEN, BIBIANA S Y/IN

=> e wiessman, irving/in

E1	1	WIESSE, JOACHIM/IN
E2	2	WIESSLER, HANS/IN
E3	0	--> WIESSMAN, IRVING/IN
E4	9	WIESSNER, EDGAR/IN
E5	5	WIESSNER, EDWARD E/IN
E6	2	WIESSNER, FRANK/IN
E7	4	WIESSNER, MANFRED/IN
E8	1	WIESSNER, MARTIN G/IN
E9	1	WIESSNER, MARTIN GERALD/IN
E10	1	WIESSNER, WERNER/IN
E11	8	WIESSNER, WILLI/IN
E12	1	WIESSPEINER, GERHARD/IN

=>